BELYAVSKIY, M.M., kand.tekhn.nauk (Leningrad); PAVLOVA, N.N., kand.tekhn. nauk (Leningrad)

Changes in formulation No.185 of the "Norms and technical specifications for the design of the exterior water supply of industrial enterprises and villages near them." Vod.i san. tekh. no.3:29 Mr '62. (MIRA 15:8)
(Water pipes)

PAVLOVA, N.N., kand.tekhn.nauk; BELYAVSKIY, M.M., kand.tekhn.nauk

Principles of the theory and practice of flushing water pipes with aerated water. Sbor. trud. LIIZHT no.185:72-100 '62. (MIRA 17:1)

BELYAVSKIY, M. T.

Moscow University

Project of transferring Moscow University to the "Vorob'yevy" Hills in the 18th Centruy. Vest. Mosk. un. 7 no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August, 1952 1953. Unclassified.

BELYAVSKIY, N. A. PA 9/49T53

USSR/Geography Sep 48
Sand

"Composition of Sand Dunes in the Takla-Makan Desert," N. A. Belyavskiy, 2½ pp

"Priroda" No 9

Table gives granulometric composition of sand in western parts of Takla-Makan desert and Ala-Kum (Khahgarskiy Ravine) sand massif. Sectional map (RF 1:5,000,000) shows approximate location of area in question. Refers to G. De Greer's work on same area. Describes nature and properties of sand.

[redacted] 9/49T53

BELYAVSKIY, N. A.

PA5/49T44

USSR/Geology
Orography
Ice Formation

May/Jun 48

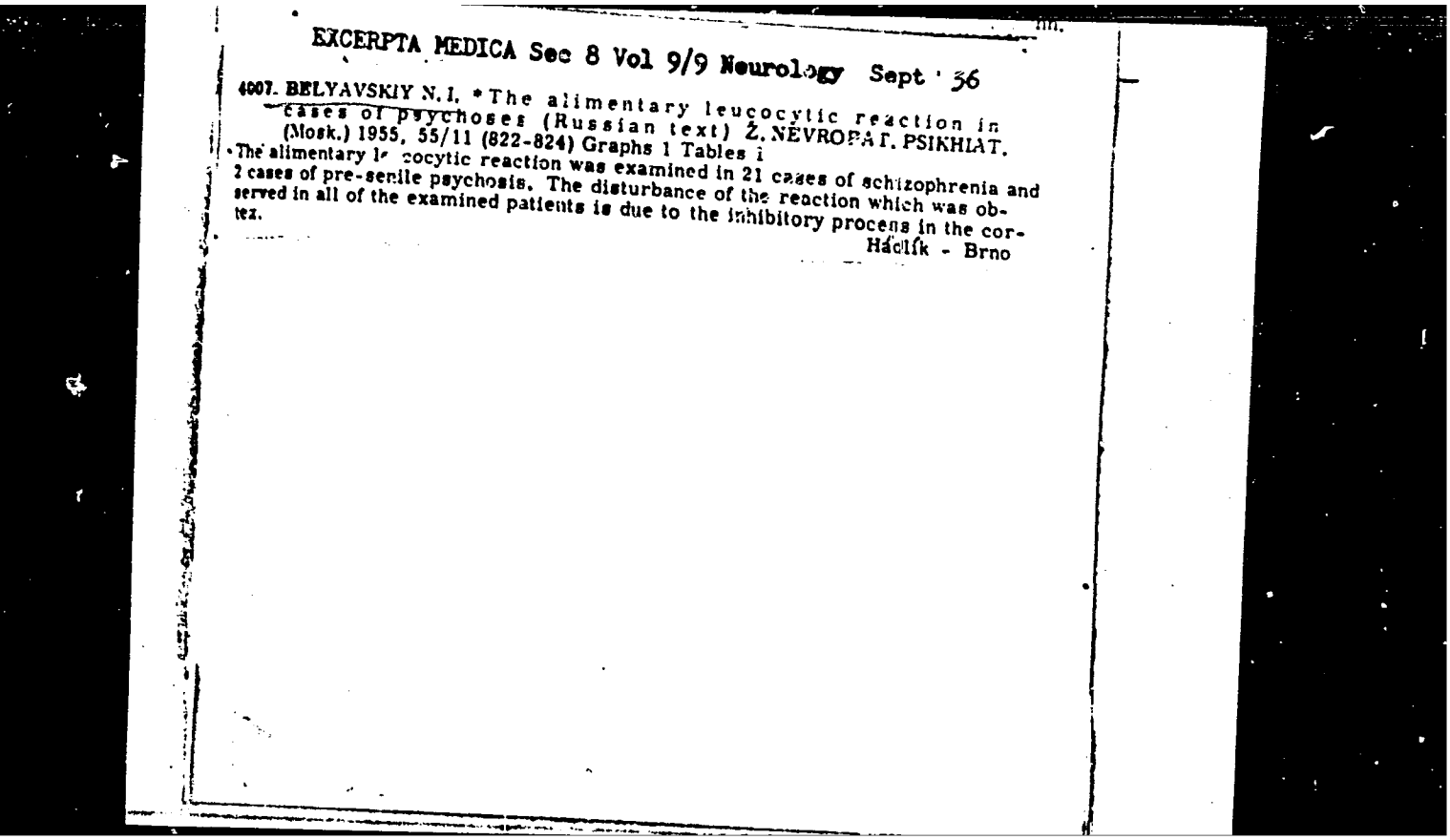
"Orography and Geomorphology of the Mountainous Regions in Western Kun'-Lun'," N. A. Belyavskiy, 11 pp

"Iz v-s Geog Obshch" Vol LXXX, No 3

Describes region with aid of map. Discusses contemporary and ancient ice formations, and calculation or erosion and relief forms.

5/month

BELYAVSKIY, N. I., Cand Med Sci -- (diss) "Changes of leucocytic reactions in dependence on the clinical condition of patients with schizophrenia." Makhachkala, 1960. 16 pp; (Ministry of Public Health RSFSR, First Leningrad Medical Inst im Academician I. P. Pavlov); 240 copies; price not given; (KL, 17-60, 167)



EXCERPTA MEDICA Sec 8 Vol 9/9 Neurology Sept '56

4007. BELYAVSKIY N. I. *The alimentary leucocytic reaction in cases of psychoses (Russian text) Ž. NEVROPAT. PSIKHIAT. (Mosk.) 1955, 55/11 (822-824) Graphs 1 Tables 1

The alimentary leucocytic reaction was examined in 21 cases of schizophrenia and 2 cases of pre-senile psychosis. The disturbance of the reaction which was observed in all of the examined patients is due to the inhibitory process in the cortex.

Hádlík - Brno

Country : USSR
Category: Human and Animal Physiology Nervous System. Higher Nervous Activity. Behavior.

T

Abs Jour: RZhBiol., No 19, 1958, 89256

Author : Delyavskiy, N.I.
Inst : Dagestan Medical Institute
Title : Disorders in the Regulation of the Leukocytic Reaction to Verbal Stimulation in Patients with Schizophrenia.

Orig Pub: Sb. nauchn. tr. Dagest. med. in-t, 1956, 6, 107-111

Abstract: The following was observed in 20 patients with schizophrenia, under the effect of exhibition of food or verbal mention of food (the patient was to name the desired food or answer whether he

Card : 1/2

T-118

Country : USSR T
Category: Human and Animal Physiology. Nervous System. Higher Nervous Activity. Behavior.

Abs Jour: RZhBiol., No 19, 1958, 89256

wishes to eat): leukocytosis (acute forms and chronic forms in aggravated conditions), absence of reaction to verbal stimulation, the reaction being normal at the sight of food (chronic forms) or a paradoxical reaction (in the majority of cases) at the sight of food and upon verbal stimulation (decrease of the number of the leukocytes in chronic forms with manifestation of adynamica, constraint, defects of personality). There was no constant relationship between the oral and leukocytic reactions. A positive oral reaction was absent in the majority of the investigated patients. -- K. S. Ratner

Card : 2/2

FILYAVSKIY, P.; BEN'KEVICH, I., redaktor; CHEKOTUN, I., tekhnichniy redaktor.

[Main Turkmen Canal] Holovnyi Turkmens'kyi kanal. Kyiv, Vyd-vo TsK LKSMU "Molod'," 1952. 49 p. (MLRA 7:11)
(Main Turkmen Canal)

BELYAVSKIY, P.

Hydraulic Engineering

In the steppes of the Ukraine and Crimes. Slaviane No. 6, 1952

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

BELYAVSKIY, Petr Ivanovich; CHERNYSHOV, Aleksandr Alekseyevich; KOSTIN, V., red.; TROYANOVSKAYA, N., tekhn.red.

[Fate of a "Dying village"] Sud'ba "Vymiraiushchei derevni." Moskva, Gos. izd-vo polit. lit-ry, 1958. 55 p. (MIRA 12:1)
(Voronezh Province--Rural conditions)

BELYAVSKIY, P.Yu., inzh.; SAVEL'YEVA, O.V., inzh.

New fuel filter elements for diesel locomotives. Elek. i tepl. tiaga 4 no.11:15-16 N '60. (MIRA 13:12)
(Diesel engines—Fuel system)

BELYAVSKIY, R.

Description of a new species of the genus Anisosticta Duponch. (Coleoptera, Coccinellidae). Ent. oboz. 38 no.4:851-854 '59
(MIRA 13:3)

1. Institut zoologii Pol'skoy AN, Varshava.
(Ladybirds)

BELYAVSKIY, S.

Packing the flanged edge of truck bodies. Avt. transp. 33 no.4:34 Ap '55. (MLRA 8:7)
(Motor trucks--Bodies)

BELYAVSKIY, Samuil Moiseyevich; BAGREYEV, V.V., nauchnyy red.; SHAURAK, Ye.N., red.; ERASTOVA, N.V., tekhn.red.

[Theoretical mechanics and fundamentals of the theory of mechanisms and machinery] Teoreticheskaia mekhanika s elementami teorii mekhanizmov i mashin. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1960. 455 p.

(MIRA 13:12)

(Mechanics, Analytic) (Mechanical engineering)

BELYAVSKIY, Samuil Moiseyevich; KHRUSTALEVA, N.I., red.

[Manual for the solution of problems on the strength of materials] Rukovodstvo k resheniiu zadach po soprotivleniiu materialov. Moskva, Vysshaia shkola, 1964. 315 p. (MIRA 17:8)

BELYAVSKIY, Samuil Moiseyevich; SAKHARNYY, N.F., red.

[Theoretical mechanics] Teoreticheskaia mekhanika. Izd.2., perer. Moskva, Vysshaia shkola, 1965. 319 p.
(MIRA 18:7)

BELYAVSKIY, V.A.

Two observations on gastric phlegmons. Khirurgiia no.3:74 Mr '54.
(MLRA 7:5)

1. Iz Bezhitskoy gorodskoy bol'nitsy Brianskoy oblasti.
(STOMACH, diseases, *phlegmon) (PHLEGMON, *stomach)

PETROV, G.D., inzhener, mayor; BELYAVSKIY, V.A., inzhener, kapitan.

Making reinforced concrete pipes in vibration form. Tekh. stroi. 4 no.6:13-15 Je '47. (MLRA 9:2)
(Pipe, Concrete)

BELYAVSKIY, V.A., inzh.

Introduction of new operating procedures for the assembly of steam turbines in plants and during installation. Elek.sta. 28 no.12:20-22 D '57. (MIRA 12:3)

(Steam turbines)

BELYAVSKIY, V.A., inzh.

Development and introduction of new assembly technology for steam turbines. Energ. stroi. no.1:8-12 '59. (MIRA 13:2)

1.Glavenergostroymontazh.
(Steam turbines)

BELYAVSKIY, V.F., dot.

Variational problem in the [illegible] process in the elements of [illegible]. [illegible] :34-46 (MIRA 18:9)
'65.

66547

~~28(1)~~ 16.6800 SOV/161-59-1-2/25

AUTHORS: Belyavskiy, Valeriy Fedorovich, Aspirant, Shamayev, Yuriy Matveyevich, Docent, Candidate of Technical Sciences

TITLE: Using the Equations of Dynamic State of Ferromagnetic Cores With Rectangular Hysteresis Loop for the Computation of Impulse Operated Circuits

PERIODICAL: Nauchnyye doklady vysshey shkoly. Elektromekhanika i avtomatika, 1959, Nr 1, pp 6-22 (USSR)

ABSTRACT: A method for the computation of circuits with ferromagnetic cores with rectangular hysteresis loop is presented here. This method is based on the use of equations for the dynamic state (Refs 1-4). The computation of a very simple loop coupler, which passes on the information from one core to the other, is carried out at first. The formulas (25) and (26) are derived, and the special cases for the use of these formulas are shown by three examples. These formulas are only valid for an entire and simultaneous magnetic reversal of the cores, and lose their validity as soon as the cores are magnetically reversed in part only. The computation of circuits with a number of ferromagnetic cores - the circuits being intended for the multi-

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Using the Equations of Dynamic State of Ferromagnetic Cores With Rectangular Hysteresis Loop for the Computation of Impulse Operated Circuits

plying of informations - is shown next. Three such circuits are dealt with. Finally, the practical application of the method presented here is shown. The dynamic characteristics of the ferromagnetic cores are determined, and the analysis of the computation formulas in their application to impulse-operated circuit is carried out. The publication of this article was recommended by the institute mentioned under "Association". There are 9 figures, 2 tables, and 4 Soviet references.

ASSOCIATION: Kafedra teoreticheskikh osnov elektrotekhniki Moskovskogo energeticheskogo instituta
(Chair of Theoretical Principles of Electrical Engineering at the Moscow Institute of Power Engineering)

SUBMITTED: November 6, 1958

4

BELYAVSKIY, V. F.

PHASE I BOOK EXPLOITATION SOV/4893

Vsesoyuznoye soveshchaniye po fizike, fiziko-khimicheskim svoyatsam ferritov i fizicheskim osnovam ikh primeneniya. 3d, Minsk, 1959

Ferrity; fizicheskiye i fiziko-khimicheskiye svoystva. Doklady (Ferrites; Physical and Physicochemical Properties. Reports) Minsk, Izd-vo AN BSSR, 1960. 655 p. Errata slip inserted. 4,000 copies printed.

Sponsoring Agencies: Nauchnyy sovet po magnetizmu AN SSSR. Otdel fiziki tverdogo tela i poluprovodnikov AN BSSR.

Editorial Board: Resp. Ed.: M. N. Sirota, Academician of the Academy of Sciences BSSR; K. P. Belov, Professor; Ye. I. Kondorskiy, Professor; K. M. Polivanov, Professor; R. V. Telesnin, Professor; G. A. Smolenskiy, Professor; N. N. Shol'tsa, Candidate of Physical and Mathematical Sciences; E. M. Sholyarenkol and Tech. Ed.: A. I. Volokhanovich.

PURPOSE: This book is intended for physicists, physical chemists, radio electronics engineers, and technical personnel engaged in the production and use of ferromagnetic materials. It may also be used by students in advanced courses in radio electronics, physics, and physical chemistry.

COVERAGE: The book contains reports presented at the Third All-Union Conference on Ferrites held in Minsk, Belorussian SSR. The reports deal with magnetic transformations, electrical and galvanomagnetic properties of ferrites, studies of the growth of ferrite single crystals, problems in the chemical and physicochemical analysis of ferrites, studies of ferrites having rectangular hysteresis loops and multicomponent ferrite systems exhibiting spontaneous rectangularity, problems in magnetic attraction, highly coercive ferrites, magnetic spectroscopy, ferromagnetic resonance, magneto-optics, physical principles of using ferrite components in electrical circuits, anisotropy of electrical and magnetic properties, etc. The Committee on Magnetics, AS USSR (G. V. Vonsovskiy, Chairman) organized the conference. References accompany individual articles.

SOV/4893

Ferrites (Cont.)

Soboleva, L. P., and Ya. M. Kolli. Dynamics of the Reversal of Magnetization of a Ferrite Bar With a Rectangular Cross Section 364

Brin, I. A., G. P. Lisitsyn, and Yu. M. Shamayev. The Surface Effect in a Ferrite Plate With Rectangular Hysteresis Loop 377

Shamayev, Yu. M. Stability of Particular Cycles and "Accomodation" During Pulsed Reversal of Magnetization of Ferrites With Rectangular Hysteresis Loop 386

Shamayev, Yu. M., A. I. Firsov, and V. F. Belyavskiy. Pulsed Reversal of Magnetization of Ferrites With Rectangular Hysteresis Loop 391

Rabkin, L. I., and B. Sh. Epshteyn. Ferrites With Rectangular Hysteresis Loop in Weak Fields 401

Belyavskiy, V. F., and Yu. M. Shamayev. Calculation of Certain Conditions in Pulsed Circuits Containing Ferrites With Rectangular Hysteresis Loops 423

Card 5/18

21375
S/194/61/000/009/016/053
D222/D302

9,7500

AUTHOR: Belyavskiy, V.F.

TITLE: A method of calculating magnetic shift registers with passive nonlinear elements

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 9, 1961, 31, abstract 9 B229 (V sb. Vses Mezhvuz. konferentsiya po teorii i metodam rascheta nelineyn. elektr. tsepey, mo. 6, Tashkent, 1960, 71-85)

TEXT: A method of calculating 2-phase magnetic shift registers, in which the cores operate as transformers, is given. It is necessary for the calculation to find the characteristics that determine the behavior of the system elements under given operating conditions. The register works in the pulse regime. The influence of the characteristics of the linear elements is known, while the magnetic properties of the cores and the properties of the semiconductor diodes are described by generalized dynamic characteristics re-

Card 1/2

21375
S/194/61/000/009/016/053
D222/D302

A method of calculating...

lating functionally the variation of integral values. The behavior of a ferrite core during remagnetization is described by the formula

$$Q(b) = \frac{1}{\delta}\left[\text{arth } 2\frac{B_r}{B_s}(b - 0.5) + \text{arth}\frac{B_r}{B_s}\right],$$

where δ is the coefficient of magnetic viscosity; B_r and B_s are the remanent and saturation induction Q(b) is the pulse field strength at the given value of the coefficient of relative change of magnetic induction $b = \frac{\Delta B}{2B_r}$ is the coefficient of relative change of magnetic induction. The behavior of a junction diode in the quasi-stationary pulse regime for rectangular.....

[Abstracter's note: End of abstract missing, otherwise complete translation]

Card 2/2

82770
S/103/60/021/008/010/014
B012/B063

AUTHORS: Belyavskiy, V. F., Shamayev, Yu. M. (Moscow)

TITLE: Calculation of Electric Circuits With Cores of Rectangular Hysteresis Loops

PERIODICAL: Avtomatika i telemekhanika, 1960, Vol. 21, No. 8, pp. 1188-1197

TEXT: On the basis of experimental and theoretical investigations of the dynamic magnetic reversal of ferritic cores with right-angled hysteresis loops, the laboratory of the kafedra teoreticheskikh osnov elektrotekhniki MEI (Chair of Theoretical Fundamentals of Electrical Engineering of MEI) obtained formula (1) (Refs. 1-3) which determines the behavior of the ferrite in any magnetic reversal. Here, this formula is given as a differential equation (3) and integral equation (4), respectively. Two problems are studied: 1) Calculation of the transient in a circuit with a toroidal ferritic core and known parameters. 2) Determination of the parameters of a circuit with several ferritic cores. The two problems are

solved by means of formulas (3) and (4). It is shown that circuits with ferritic cores on which various pulses are acting, can be calculated from these formulas. The oscillograms of voltage pulses shown in Fig. 4 and the experimental verification of simulators developed on the basis of theoretical results show that the calculations demonstrated in the present paper are sufficiently accurate. As compared to experimental data, the error was not higher than 10 - 20 per cent. There are 6 figures and 6 Soviet references.

SUBMITTED: September 19, 1959

S/196/62/000/013/001/018
E194/E155

AUTHORS: Belyavskiy, V.F., and Polivanov, K.M.

TITLE: The surface effect in an anisotropic lamina

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.13, 1962, 5, abstract 13 A 31. (Tr. Mosk. energ. in-ta, no.37, 1961, 3-15).

TEXT: A study is made of the surface effect in a sufficiently thin and narrow ferromagnetic tape whose anisotropy is characterised by differences in the permeability along mutually orthogonal axes lying in the plane of the tape and not coincident with its geometrical axes. The tape is subject to the influence of an external harmonic magnetic field whose complex vector of field intensity is parallel to its longitudinal geometrical axis. Mean values of permeability are calculated along the axes of anisotropy and also the complex vector of mean induction. It is shown that the vector of the resultant magnetic field intensity on the tape surface is of continually varying direction; the locus of the ends of the field intensity vector on the surface is an ellipse, which

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corresponds to an elliptical polarised wave. The vectors of mean induction and electrical field intensity on the tape surface follow ellipses with mutually orthogonal axes. The final formulae reflect in explicit form the influence of anisotropy due to the microstructure, to the dimensions of the tape and to construction of the core bundle on the static value of the longitudinal permeability and of the frequency on the effective permeability.
2 references.

[Abstractor's note: Complete translation.]

[illegible]

[illegible]n of magnetic semiconductor elements in automatic control and computer technology; a manual]
Proektirovanie magnitnoprovodnikovykh elementov avtomatiki i vychislitel'noi tekhniki; uchebnoe posobie.
Moskva, Mosk. inst. inzhenerov zheleznor. transp., 1964.
78 p. (MIRA 18:6)

L 39492-66 EWT(1)/EWA(h) GD/GS

ACC NR: AT6002980 SOURCE CODE: UR/0000/65/000/000/0076/0088

8

AUTHOR: Belyavskiy, V. F. 84

ORG: none

TITLE: Calculating the parameters of typical ferrodiode elements 25

SOURCE: Vsesoyuznoye soveshchaniye po magnitnym elementam avtomatiki i vychislitel'noy tekhniki. 9th, Yerevan, 1963. Magnitnyye tsifrovyye elementy (Magnetic digital elements); doklady soveshchaniya. Moscow, Izd-vo Nauka, 1965 76-88

TOPIC TAGS: computer, binary logic, ferrodiode elements

ABSTRACT: Using two-step single-diode ferrodiode elements with transformer-connected cores as an example, a method is shown of calculating parameters of these typical circuits: (1) A circuit for repeating binary information; (2) Parallel and serial circuits for duplicating (multiplying) binary information; (3) A circuit for compensating (inhibiting) binary information. The number of turns of windings, currents, resistors, drive power, and winding-wire data are determined. The

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ACC NR: AT6002980

assumed initial conditions are: (1) Core geometry, diode type, and their characteristics are known; (2) Parameter spread of cores and resistors is neglected; (3) Information reverse is blocked by the initial diode voltage; (4) The duplicating cell delivers information to two cells behind it. It is claimed that the method yields parameters differing from the optimal by only 10 or 20%; further improvement by experimentation is recommended. A numerical example is worked out to demonstrate all stages of the parameter calculation. Orig. art. has: 10 figures, 47 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: 23Apr65 / ORIG REF: 004

Card 2/2 MLP

BELYAVSKIY, V.G.

Working under the seven-hour reduced workday. Neftianik
5 no.5:30 My '60. (MIRA 13:6)
(Batum--Hours of labor)

BELYAVSKIY, V.G.

The ranks of the brigades of communist labor are broadening.
Neftianik 5 no.8:4 Ag '60. (MIRA 14:8)
(Batumy—Petroleum refineries)

FRISHMAN, M.A., doktor tekhn. nauk (Dnepropetrovsk); BELYAVSKIY, V.L. (Dnepropetrovsk); VINOKUROV, L.I. (Dnepropetrovsk)

Maintenance of tracks with a slab substructure. Put' i put. khoz. 9 no.9:11-12 '65. (MIRA 18:9)

1. Nachal'nik distantsii puti Pridneprovskoy dorogi (for Belyavskiy).

BELYAVSKIY, V.L., inzh. (g.Dnepropetrovsk)

Crushed rock ballast-cleaning machine in operation. Put' put.khoz. no.9:10-11 S '59. (MIRA 12:12)
(Ballast(Railroads)--Maintenance and repairs)
(Railroads--Equipment and supplies)

S/094/60/000/002/001/002
E073/E335

AUTHOR: Belyavskiy, V.M., Engineer

TITLE: Features of Operation of Photoresistances in Automation Circuits of Rolling-mill Mechanisms

PERIODICAL: Promyshlennaya energetika, 1960, No. 2, pp. 24 - 27

TEXT: Automatic control of the main and auxiliary motors was introduced at the Odesskiy staleprokatnyy zavod imeni Dzerzhinskogo (Odessa Rolling Mills imeni Dzerzhinskiy). As indicators, photoresistances type ФС-К6 (FS-K6) were applied with the following main data: active area 125 mm^2; darkness resistance $2 \times 10^6 \Omega$; specific sensitivity 2 500 μA/lumen V; limit operating voltage 300 V; average ratio of resistance changes 140. The high sensitivity, high operating voltage and high resistance change ratio enabled connecting the output loop of the photoresistances without further amplification directly onto thecoil of a telephone relay, the contacts of which actuate the automation circuit. The initial setting was as follows: distance from the hot metal 10 m (photoresistance ФР №1 (FR No. 1)),

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E073/E335

Features of Operation of Photoresistances in Automation Circuits of Rolling-mill Mechanisms

3 m (photoresistances ФР No. 2 и 3 (FR No. 2 and 3); the source of light is a hot piece of rolled metal 45 x 45 mm; the metal-working temperature is 800 - 1 000 °C; the temperature of the ambient air at the spot where the heads of the photoresistances were fitted varied between +25 and +50 °C, depending on the season. The darkness current equalled approximately zero; illuminated, the current was 3 mA (response current of the telephone relay). The setting was by a suitable choice of lenses with appropriate focusing distances and feeding an appropriate voltage from the potentiometer into the coil of the telephone relay. The experience gained in one year's operation is described. This can be summarised as follows.

1) The equipment is simple and reliable in operation and there were practically no mishaps.

2) If the heads of the photo relays are protected from the radiation of the hot metal (for instance, by fitting them on the floor or on the roof of the control post) they do not

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Features of Operation of Photoresistances in Automation Circuits of Rolling-mill Mechanisms

have to be water-cooled.
3) For metal temperatures of the order of 700 to 900 °C it is best to use ФС-А1 (FS-A1) photoresistances with amplification of the output signal by means of a tube amplifier, provided that the surface along which the metal travels does not heat up sufficiently to emit light.
4) For higher metal temperatures (above 1 000 °C) and distances of 5 to 6 m, it is preferable to use the photoresistances ФС-К6 (FS-K6) without amplifiers.
5) For greater distances (up to 15 m) it is recommended to use the photoresistances ФС-Д1 (FS-D1) or FS-K6 which feeds its output onto a relay or a contactor. The following data are given about the photoresistances:

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E073/E335

Features of Operation of Photoresistances in Automation Circuits of Rolling-mill Mechanisms

	FS-A1	FS-D1
Active area, mm^2	24	28.8
Darkness resistance zones, Ω	10^4-10^5	2.10^6
Specific sensitivity, μA/lumen V	500	30 000
Limit operating voltage, V	15	300
Average ratio of the resistance change	1-2	500.

The illustrations show the location of the heads of the photo relays (Fig. 1), a photograph and sketches (Figs. 2, 3) of the head of the photo relay FRS-53 (FRS-53) and the spectral characteristics of the photoresistances FS-A1, FS-K6 and FS-D1 (Fig. 4). There are 4 figures.

Card 4/4

S/133/60/000/011/014/023
A054/A029

AUTHORS: Belyavskiy, V.M., Podberezskiy, Z.B.

TITLE: Automatic Operation of the Four-Strand Guides of the 280-mm Type Rolling Mill

PERIODICAL: Stal', 1960, No. 11, pp. 1023-1024

TEXT: In the 280-mm type shaping unit of the Odesskiy staleprokatnyy zavod im. Dzerzhinskogo (Odessa Steel-Rolling Plant imeni Dzershinskiy) the rolled products - coming from the roughing stand - enter the first finishing mill train through a two-strand guide. Any stoppage in one of the calibers of the stand causes a twofold decrease in the output of the entire stand which can only attain its maximum production when the two-strand feed is not interrupted. In order to insure a continuous feed, a four-strand by-pass device has been constructed, consisting of four-strand removable guides with an automatic switch-over. In this way the output of the stand is not lowered even if two of the guides should stop. The double pair of two-strand guides forming the new system are operated by KMT-6 (KMT-6) type electromagnets which are activated by impulses from two light relays (one relay for each pair of guides). The new device reduces the unproductive time of the machine by

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S/133/60/000/011/014/023
A054/A029

Automatic Operation of the Four-Strand Guides of the 280-mm Type Rolling Mill

minutes per shift on an average (when working with one guide only for some time), resulting in a saving of 305,000 rubles annually. There are 2 figures.

ASSOCIATION: Odesskiy staleprokatnyy zavod
(Odessa Steel-Rolling Plant)

Card 2/2

BELYAVSKIY, V.V.

Labor consumption and necessity for the mechanization of heavy and labor consuming tasks in beet procurement stations. Trudy KTIPP no.18:75-78 '57. (MIRA 13:1)
(Industrial management) (Sugar industry)

BELYAVSKIY, V.V.

Mechanization of labor consuming and heavy tasks in sugar plants and its economic efficiency. Trudy KTIPP no.18:79-85 '57. (MIRA 13:1)

(Sugar industry) (Industrial management)

FEDOROV, P.D.; STABNIKOV, V.N.; GLYBIN, I.P.; BELYAVSKIY, V.V.; BOYCHENKO, N.G.; BUZYKIN, N.A.; GOLOVIN, P.V.; DEMCHUK, A.P.; ZHURA, K.D.; KORCHINSKIY, A.I.; KURILENKO, O.D.; KLIMKO, N.G.; LITVAK, I.M.; MAL'TSEV, P.M.; NIKOLAYCHUK, I.M.; NAUMOV, A.L.; POPOV, V.D.; RED'KO, F.A.; SKOBLO, D.I.; KHRISTENKO, M.M.; TSYGANKOV, P.S.; SHLIPCHENKO, Z.S.; SHVETSOV, P.D.

Gleb Mikhailovich Znamenskii; obituary. Sakh. prom. 31 no.12:68 D '57. (MIRA 11:1)

(Znamenskii, Gleb Mikhailovich, 1901-1957)

BELYAVSKIY, V.V.; KORCHINSKIY, A.I.; STABNIKOV, V.N.

Food industry in the seven-year plan (1959-1965). Trudy KTIPP no.20:3-7 '59. (MIRA 13:12)

(Food industry)

BELYAVSKIY, V.V.

Economic factors considered in the selection of an efficient type of diffusion unit. Trudy KTIPP no.20:17-23 '59. (MIRA 13:12)
(Diffusers)

BELYAVSKIY, V.Ye.

Fine cleaning of lacquers with plate filters. Lakokras. mat. i ikh prim. no.6:73-75 '61. (MIRA 15:3)
(Lacquer and lacquering)

SOLIYENKO, V.O.; BELYAVSKIY, V.Ya.; KOSMACHEVSKIY, B.P.

Selecting nonmetallic grinding bodies for the ball mills used in the manufacture of paints. Lakokras.mat. i ikh prim. no.4: 59-62 '62. (MIRA 16:11)

SOLIYENKO, V.O.; BELYAVSKIY, V.Ye.; KOSHACHEVSKIY, B.P.

Selecting the materials for lining ball mills used in pain manufacture. Lakokras.mat. i ikh prim. no.2:55-57 '63. (MIRA 16:4)
(Milling machinery)

BELYAVSKIY, V.Yo.; [illegible]KOVA, G.A.

Equipment for fine purification of paint materials and semiprocessed products; brief review of foreign literature. [illegible] prim. no.3:82-89 '63. (MIRA 16:9)
(Filters and filtration) (Paint industry--Equipment and supplies)

BELYAVSKIY, V.Ye.; YERMAKOV, G.A.

Dispersion and mixing equipment used in the paint industry of foreign countries. Lakokras.mat. i ikh prim. no.2:75-83 '64.
(MIRA 17:4)

BELYAVSKIY, Ye.M.

Analysis of the changes in the excitability of the thermoregulating center in the process of a developing fever reaction. Pat. fiziol. i eksp. terap. 9 no.2:30-32 Mr-Ap '65. (MIRA 18:5)

1. Otdel obshchey patologii (zav. - chlen-korrespondent AMN SSSR prof. P.N.Veselkin) Instituta eksperimental'noy meditsiny, Leningrad.

IVANOV, V.N., prof., doktor tekhn.nauk; BELYAVSKIY, Yu.I., inzh.; BELYAYEV, A.I., inzh.

Lengthening the life of motor-axle bearings. Zhel.dor.transp. 46 no.6:79-81 Je '64. (MIRA 18:1)

VILENSKIY, B.A.; BELYAVTSEV, N.N.

Semiautomatic machine for cutting off parts produced by investment casting. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh. inform. 18 no.9:13-14 S '65. (MIRA 18:10)

BELYAVTSEVA, I.S.

Outpatient treatment of patients with some skin diseases. Zdrav. Ros. Feder. 4 no.12:16-19 D '60. (MIRA 13:12)

1. Iz Ufimskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. P.N.Shishkin, nauchnyy rukovoditel' G.E.Shinskiy).
(SKIN—DISEASES)

MEDVEDEVA, Ye. A., kand. med. nauk; DAYNEKO, L. N., mlad. nauch. sotr; ZHUKOV, V. N., mlad. nauch. sotr.; BELYAVTSEVA, I. S., mlad. nauch. sotr.

Significance of the luminescence method in the diagnosis of some dermatoses. Vest. derm. i ven. no.6:17-20 '61. (MIRA 15:4)

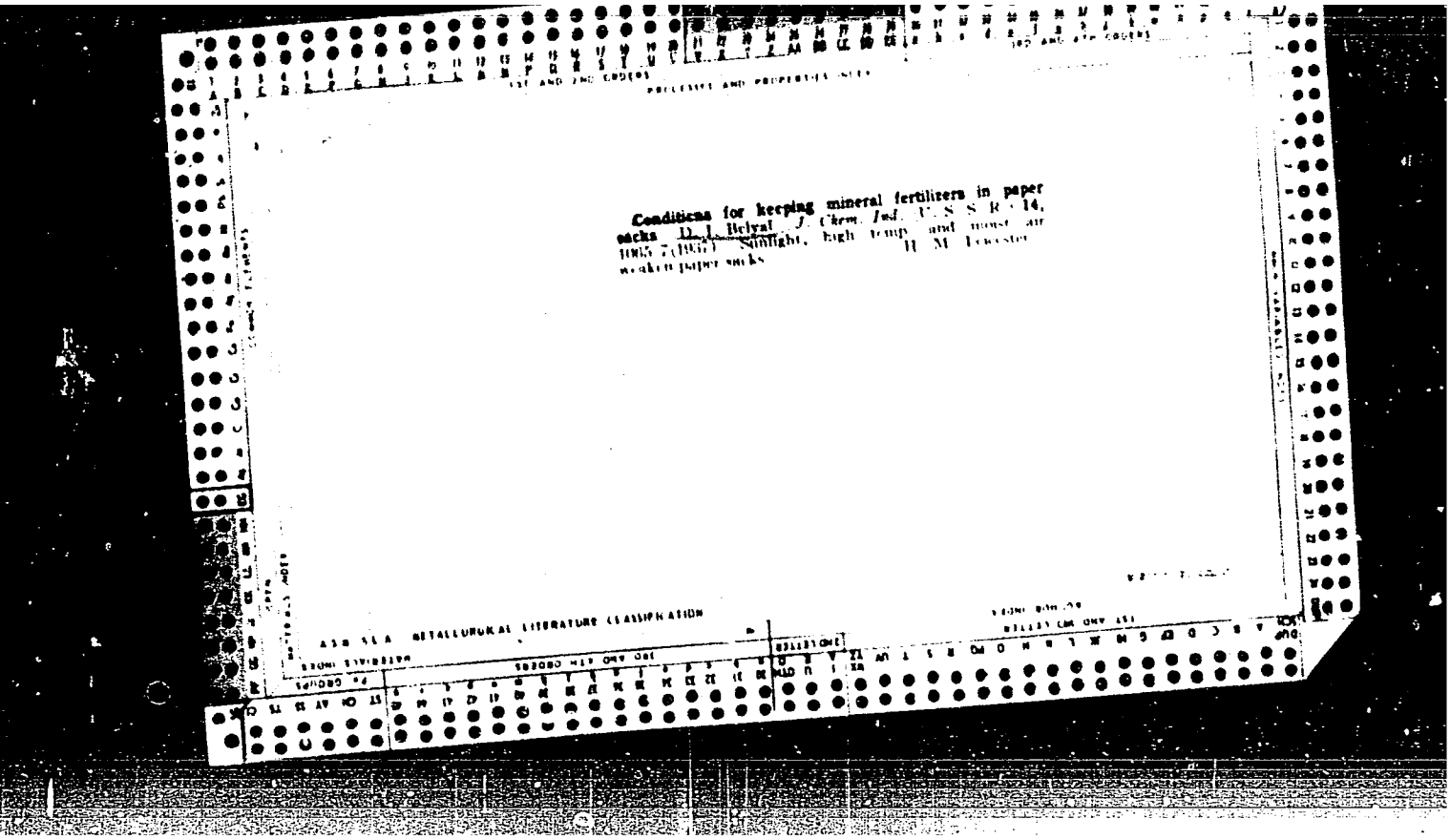
1. Iz Ufimskogo kozhno-venerologicheskogo instituta (dir. - starshiy nauchnyy sotrudnik P. N. Shishkin; nauchnyy rukovoditel' - starshiy nauchnyy sotrudnik G. E. Shinskiy)

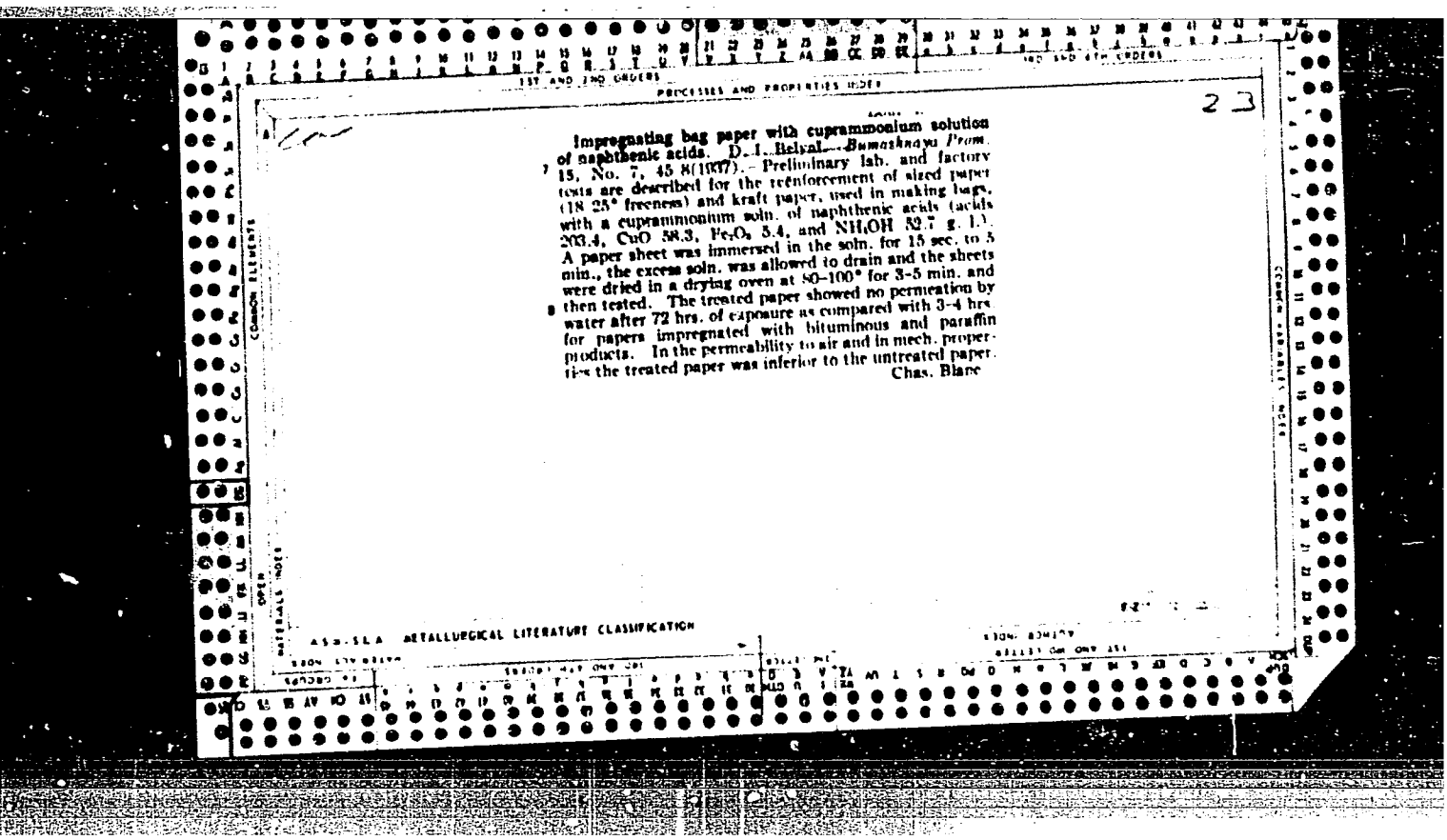
(SKIN--DISEASES) (LUMINESCENCE)

BERZIN,N.P.; BELYAVTSEVA,T.V.; SHCHEGOLEV,M.I., redaktor; LEVONEVSKAYA, L.G., tekhnicheskiy redaktor

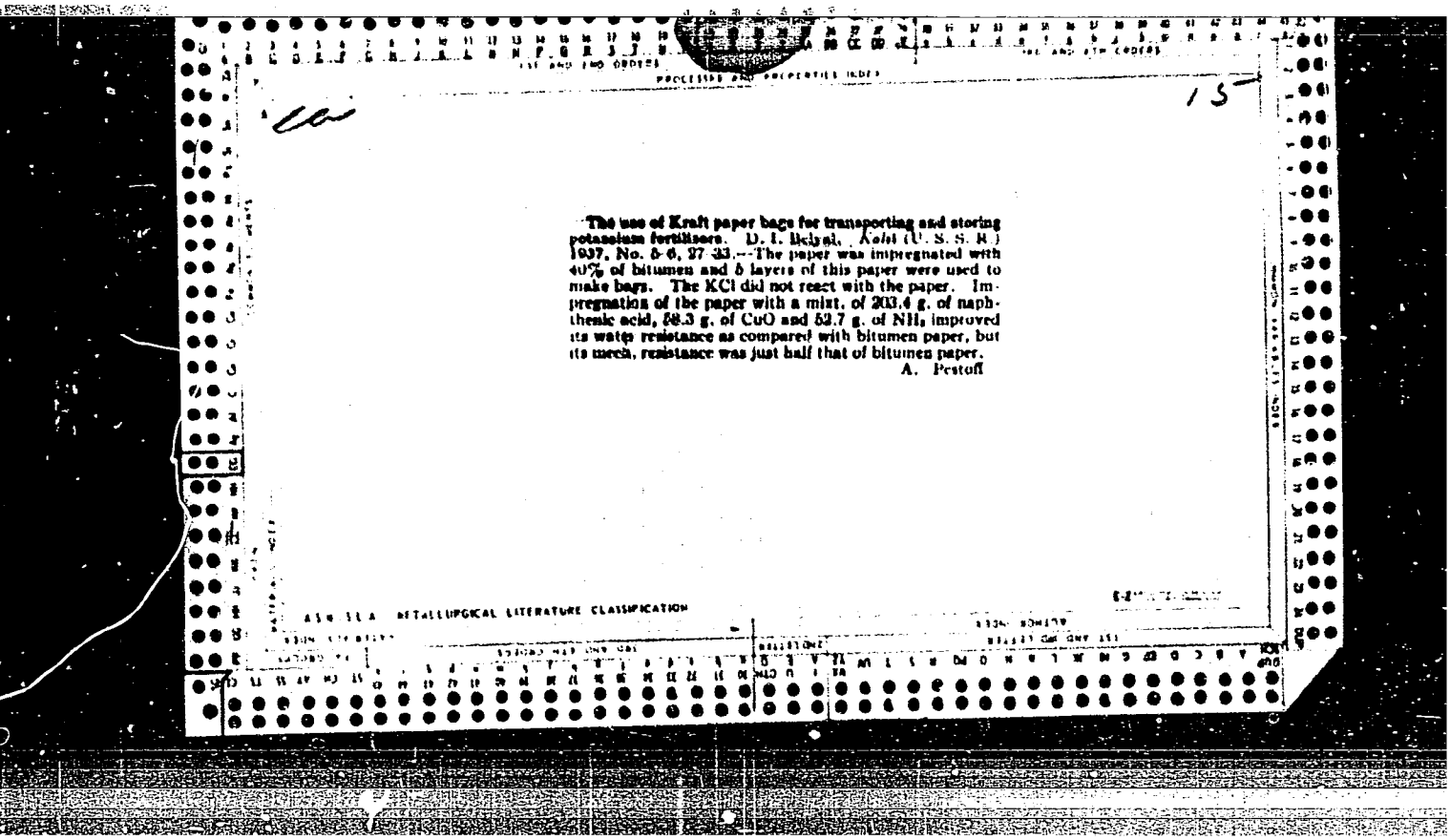
[Traffic regulations, and rules for pedestrians in Leningrad and Province] Pravila dvizheniia transporta i peshekhodov v g. Leningrade i Leningradskoi oblasti. [Leningrad] Lenizdat, 1955. 144 p. (MIRA 9:3)

1. Leningrad. Upravleniye militsii. Otdel regulirovaniya ulichnogo dvizheniya.
(Leningrad--Traffic regulations)



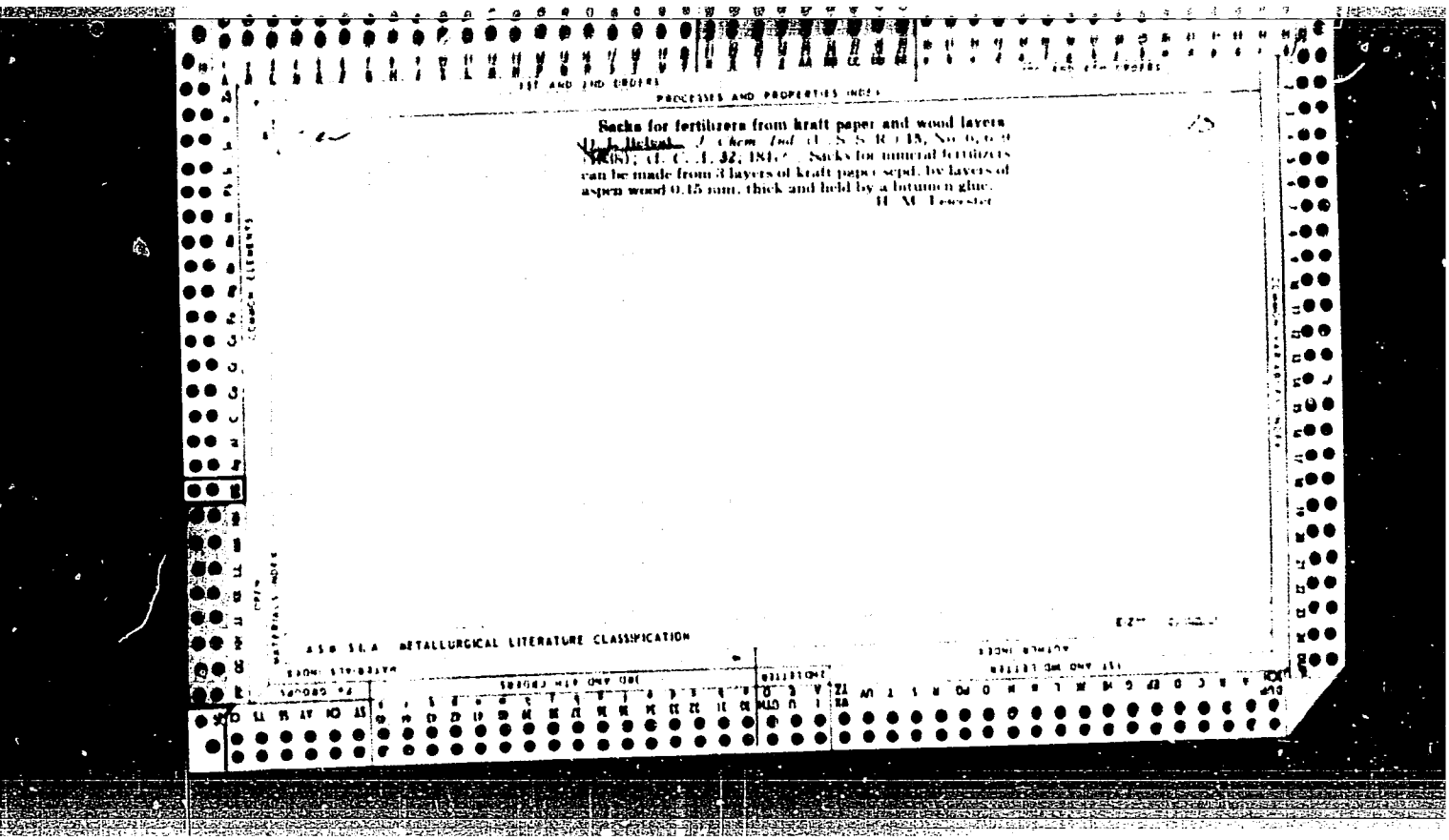


Impregnating bag paper with cuprammonium solution of naphthenic acids. D. I. Belyal. *Bumazhnaya Prom.* 15, No. 7, 45-8(1937).—Preliminary lab. and factory tests are described for the reinforcement of sized paper (18-25° freeness) and kraft paper, used in making bags, with a cuprammonium soln. of naphthenic acids (acids 203.4, CuO 58.3, Fe_2O_3 5.4, and NH_4OH 32.7 g. l.). A paper sheet was immersed in the soln. for 15 sec. to 5 min., the excess soln. was allowed to drain and the sheets were dried in a drying oven at 80–100° for 3–5 min. and then tested. The treated paper showed no permeation by water after 72 hrs. of exposure as compared with 3–4 hrs. for papers impregnated with bituminous and paraffin products. In the permeability to air and in mech. properties the treated paper was inferior to the untreated paper.
Chas. Blanc



The use of Kraft paper bags for transporting and storing potassium fertilizers. D. I. Ikhal, *Khim.* (U. S. S. R.) 1937, No. 5-6, 27-33.—The paper was impregnated with 40% of bitumen and 5 layers of this paper were used to make bags. The KCl did not react with the paper. Impregnation of the paper with a mixt. of 203.4 g. of naphthenic acid, 58.3 g. of CuO and 52.7 g. of NH_3 improved its water resistance as compared with bitumen paper, but its mech. resistance was just half that of bitumen paper.

A. Pestoff



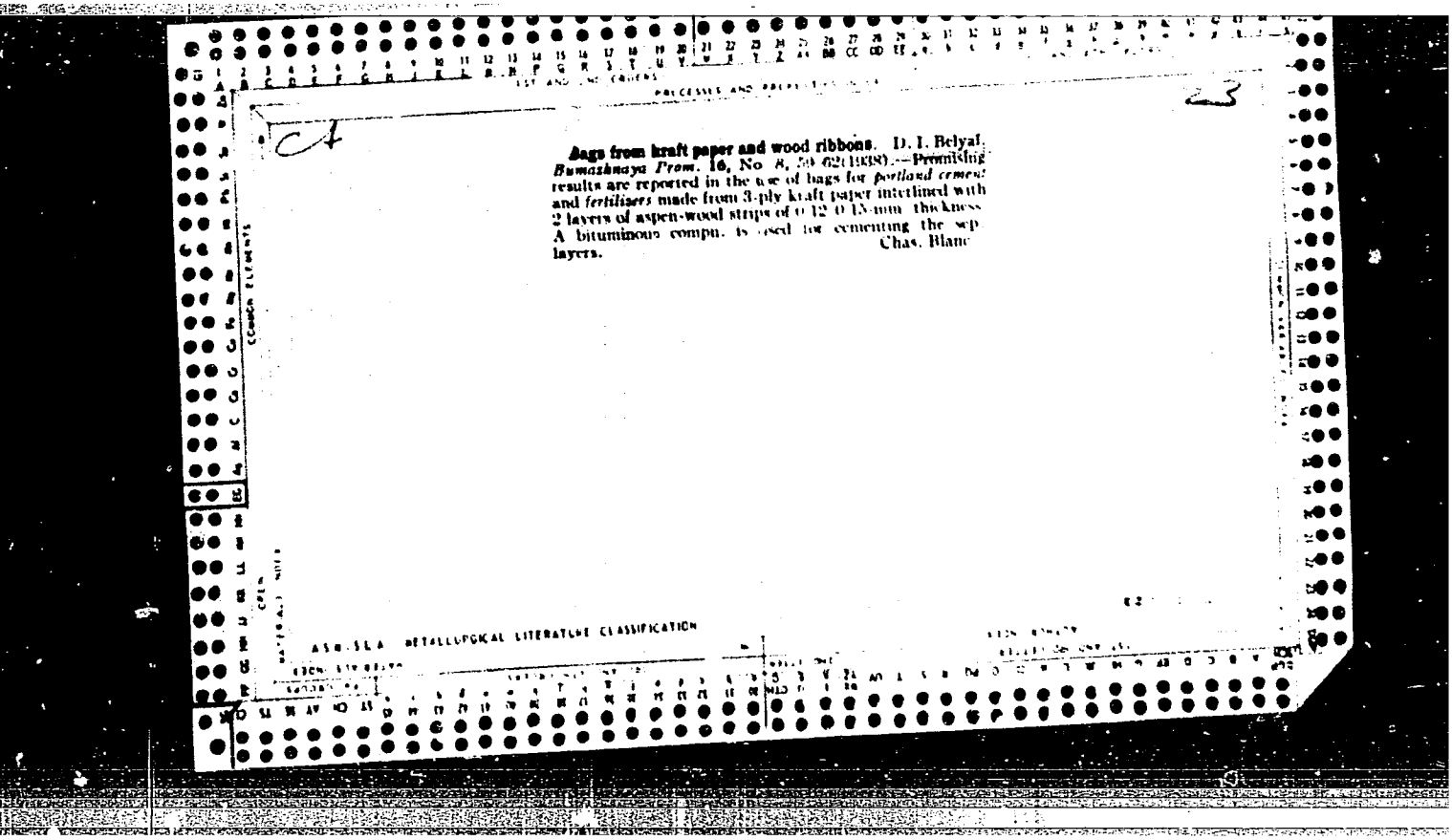
PROCESSES AND PROPERTIES INDEX

Sacks for fertilizers from kraft paper and wood layers

U. S. Holzst. / *Chem. Ind.* (U. S. S. R.) 15, No. 6, 6-9 (1938); *Cf. C. A.* **32**, 1814.—Sacks for mineral fertilizers can be made from 3 layers of kraft paper sepd. by layers of aspen wood 0.15 mm. thick and held by a bitumen glue.

H. M. Leicester

A S & S I A METALLURGICAL LITERATURE CLASSIFICATION



Bags from kraft paper and wood ribbons. D. I. Belyal. *Bumazhnaya Prom.*, **16**, No. 8, 59-62(1938).—Promising results are reported in the use of bags for *portland cement* and *fertilizers* made from 3-ply kraft paper interlined with 2 layers of aspen-wood strips of 0.12-0.15-mm. thickness. A bituminous compn. is used for cementing the sep. layers.

Chas. Blanc

BELYAY, D.I., inzh., referent

Use of synthetic products in the manufacture of paper (from "Wochenblatt für Papierfabrikation," no.1, 1957). Bum.prom. 33 no.11:30-31 N '58. (MIRA 13:8)
(Paper) (Protective coatings)

BELYAY, D.I., referent

Research on the woodpulp cooking process (from "Das Papier, No.3,1957). Bum.prom. 34 no.1:25-26 Ja '59. (MIRA 12:1)
(Woodpulp)

RAKOVSKIY, V.Ye.; PETROV, L.K.; GUREYKO, V.S.; GALENCHIK, I.Z.; POZNYAK, V.S.; KUNASHKEVICH, V.M.; BELYAY, K.I., red.; KORKHEVICH, N.P., red.; VERZAL, A.I., red.; KOROBEYNIKOV, Yu.Ye., red.

[Technological arrangement for the production of mineral wool sheets with sapropel binding material] Razrabotka tekhnologii proizvodstva plit iz mineral'noi vaty s sapropelevoi sviazkoi. Minsk, Izd-vo "Zviazda," 1958. 14 p. (MIRA 12:2)
(Mineral wool) (Sapropels)

PETROV, L.K., otv. red.; BELYAY, K.I., red.; VERZAL, A.I., red.; KORENEVICH, N.P., red.; KOROBEYNIKOV, Yu.Ye., red.; MORGUNOVA, G.M., tekhn. red.

[Building materials made of local raw materials] Stroitel'nye materialy iz mestnogo syria. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 199 p. (MIRA 16:4)

1. Minsk. Nauchno-issledovatel'skiy institut stroitel'nykh materialov UPS i SNKh BSSR.
(Building materials)

BELYAYEV,

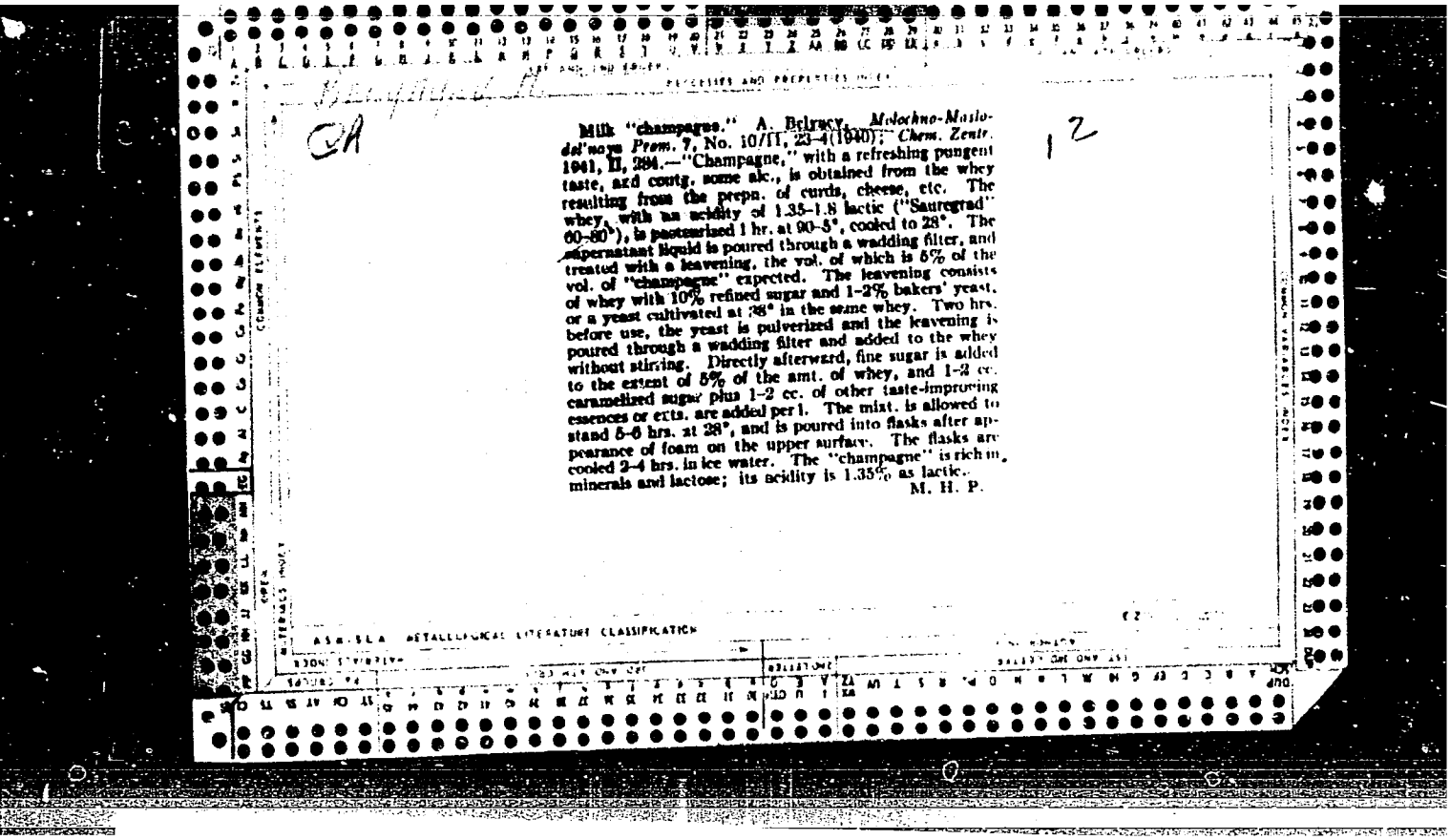
SEE ALSO: BELAYEV

[redacted], L.

Marking cattle. Vol 4. prelim. 12 no. 9, 1952

BELYAYEV, A.

The gorge of the blue water. Vokrug sveta no.3:16-17 Mr '54.
(MLRA 7:2)
(Adyl-Su gorge)



CA

12

Milk "champagne." A. Belyaev. *Molochno-Maslodel'naya Prom.* 7, No. 10/11, 23–4 (1940); *Chem. Zentr.* 1941, II, 394.—"Champagne," with a refreshing pungent taste, and contg. some alc., is obtained from the whey resulting from the prepn. of curds, cheese, etc. The whey, with an acidity of 1.35–1.8 lactic ("Sauregrad" 60–80°), is pasteurized 1 hr. at 90–5°, cooled to 28°. The supernatant liquid is poured through a wadding filter, and treated with a leavening, the vol. of which is 5% of the vol. of "champagne" expected. The leavening consists of whey with 10% refined sugar and 1–2% bakers' yeast, or a yeast cultivated at 28° in the same whey. Two hrs. before use, the yeast is pulverized and the leavening is poured through a wadding filter and added to the whey without stirring. Directly afterward, fine sugar is added to the extent of 5% of the amt. of whey, and 1–2 cc. caramelized sugar plus 1–2 cc. of other taste-improving essences or exts. are added per l. The mixt. is allowed to stand 5–6 hrs. at 28°, and is poured into flasks after appearance of foam on the upper surface. The flasks are cooled 2–4 hrs. in ice water. The "champagne" is rich in minerals and lactose; its acidity is 1.35% as lactic.

M. H. P.

USSR/Chemical Technology. Chemical Products and Their Application -- Food industry, I-28

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6648

Abstract: Chemical composition of the cheese (in %): moisture ≤46, fat in dry residue ≥45, salt ≤3. Addition to the pasteurized milk of B. acidophilum inhibits gas forming bacteria and imparts to the cheese a specific, sharp, taste of acidilous milk and aroma. Body of the cheese is delicate, slightly creamy, uniform throughout, with round and oval holes.

Card 2/2

BELYAYEV, A.

Development of cheese making in Stanislav Province. Moloch. prom. 17 no.6:19-22 '56. (MLRA 9:10)

1. Stanislavskiy trest.
(Stanislav Province--Cheese)

BELYAYEV, A.

[Rodent pests in Kazakhstan and control methods] Vrednye gryzuny v Kazakhstane i mery bor'by s nimi. Alma-Ata, Kazakhskoe gos. izd-vo, 1954. 69 p. (MLRA 10:2)
(Kazakhstan--Rodent control)

BELYAYEV, A., inzh.; IL'INA, N., kand.tekhn.nauk.

Using magnesium mortar as a substitute for metal plates in lining cement kilns. Stroi. mat. 4 no.1:31 Ja '58. (MIRA 11:2)
(Kilns) (Mortar)

BELYAYEV, A., inzh.; IVANOV, A., kand.tekhn.nauk

Fast, convenient, and economical. Zhil.-kom. khoz. 12 no.4:16,18-19 Ap '62. (MIRA 15:7)
(Beams and girders)
(Concrete slabs)

BELYAYEV, A.

Introducing automatic control. NTO no.10:57-58 O '59.
(MIRA 13:2)

1.Predsedatel' soveta pervichnoy organizatsii Nauchno-tekhnicheskogo obshchestva legkoy promyshlennosti.
(Moscow--Tanning) (Automatic control)

BELYAYEV, A., inzh.

"Major repairs for apartment houses" by A.P.Kolodei. Reviewed by A.Beliaev. Zhil.-kom.khoz. 12 no.7:35 Jl '62. (MIRA 16:5)
(Apartment houses--Maintenance and repair) (Kolodei, A.P.)

BITNAYY, A.A.

Operation of [illegible] mills on Moscow basin coal.

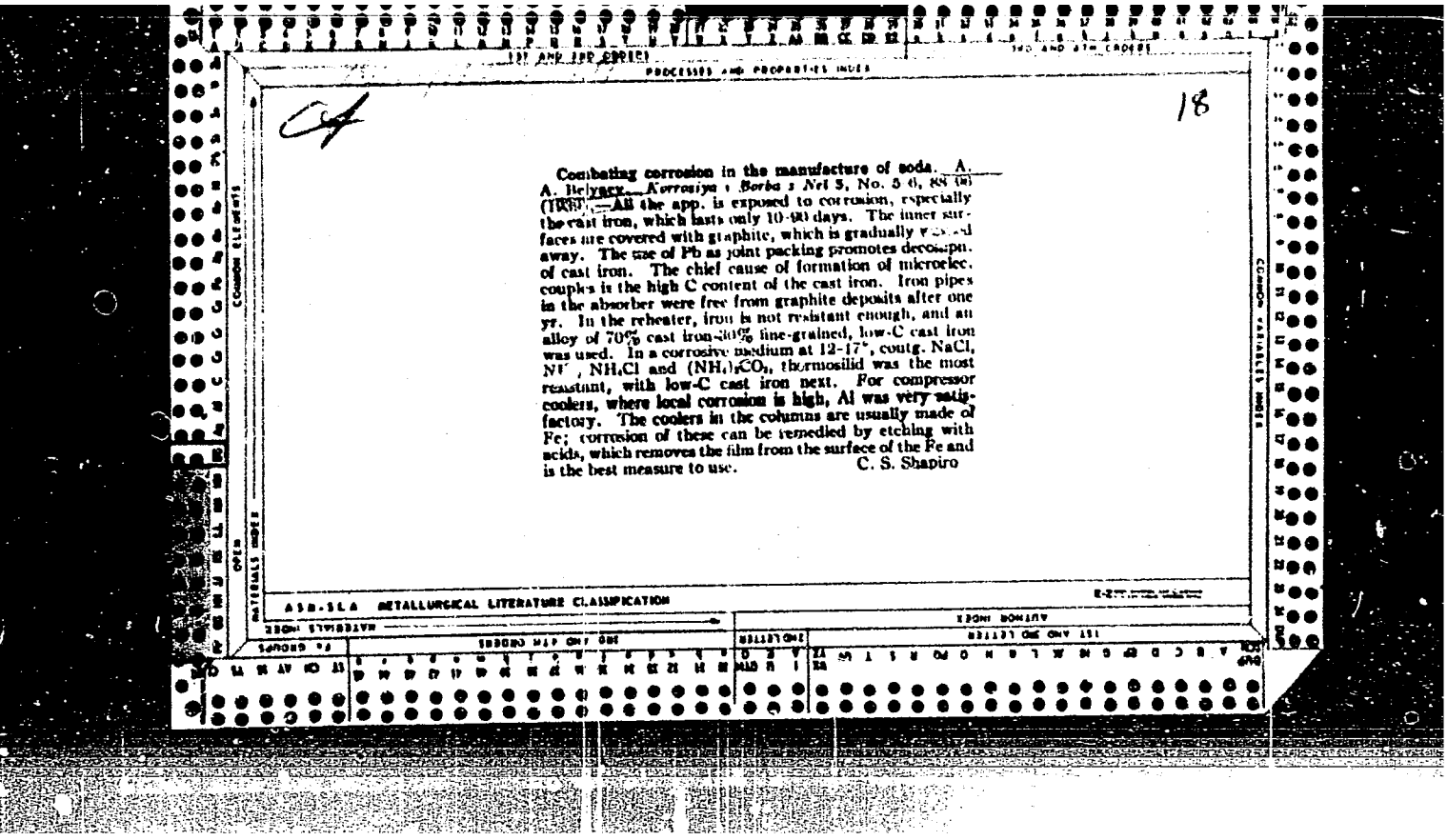
Elek. sta. 23 no. [illegible], 1952

BELYAYEV, A. A.

Pine

Rare case in the arrangement of ovaries of pine. Les. khoz. 5, no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified.



Combating corrosion in the manufacture of soda. A. A. Belyaev. *Korroziya i Borba s Nei* 5, No. 3 6, 88 (in Russian).—All the app. is exposed to corrosion, especially the cast iron, which lasts only 10-90 days. The inner surfaces are covered with graphite, which is gradually washed away. The use of Pb as joint packing promotes decomposition of cast iron. The chief cause of formation of microelec. couples is the high C content of the cast iron. Iron pipes in the absorber were free from graphite deposits after one yr. In the reheater, iron is not resistant enough, and an alloy of 70% cast iron-30% fine-grained, low-C cast iron was used. In a corrosive medium at 12-17°, contg. NaCl, NH_4F, NH_4Cl and $(NH_4)_2CO_3$, thermosilid was the most resistant, with low-C cast iron next. For compressor coolers, where local corrosion is high, Al was very satisfactory. The coolers in the columns are usually made of Fe; corrosion of these can be remedied by etching with acids, which removes the film from the surface of the Fe and is the best measure to use. C. S. Shapiro

14(6) PHASE I BOOK EXPLOITATION SOV/2791

Belyayev, A. A.

Opyt ekspluatatsii kotel'nogo oborudovaniya pervoy elektricheskoy stantsii sverkhvysokikh parametrov (Operating Boiler Installation Equipment of the First Superhigh Parameter Electric Power Station) Moscow, Gosenergoizdat, 1958. 63 p. (Series: Iz opyta sovetskoy energetiki) 5,350 copies printed.

Ed.: I. K. Korikovskiy; Tech. Ed.: G. Ye. Larionov.

PURPOSE: This book is intended for heat-power engineers dealing with problems of operating and adjusting boiler installations.

COVERAGE: The author presents results of experience acquired in the operation and adjustment of the first superhigh parameter boiler installation at the Cherepet' State Regional Electric Power Plant operating at an absolute pressure of 185 atmospheres and a temperature of 570°C. Constructional features and the arrangement of boiler installation main and auxiliary equipment are described and problems concerning operation and maintenance at superhigh pressure and temperature are discussed. The author investigated various causes of damage and failure of the equipment and gives some methods for preventing them. No personalities are mentioned. There are no references.

Card 1/5

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Operating Boiler Installation Equipment (Cont.) SOV/2791

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Operating Boiler-Installation Equipment (Cont.) SOV/2791

AVAILABLE: Library of Congress (TJ285.B44)

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GO/os
1-15-60

USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R-1

Abs Jour : Ref Zhur-Biol., No 18, 1958, 83552

Author : Belyayev, A. A., Malygin, V. I.
Institute : Leningrad Scientific Research Veterinary Institute
Title : The Diagnosis of Tuberculosis in Hens

Orig Pub : Byul nauchno-tekhn. inform. Leningrad. n.-i. vet. in-ta, 1957, vyp. 3, 7-9

Abstract : If albuminless or dried refined tuberculin originating from fowl strains were used for diagnosing tubercular infections, reactions to these tuberculin cultures proved to be more pronounced than to old tuberculin cultures. The authors suggest that tuberculins prepared upon synthetic cultures should be turned to and should be more widely used for diagnosing tubercular infections.--A. D. Musin

Card 1/1

USSR/Medicine - Penicillin Dec 51

"Penicillin in Surgery," A. A. Byelyayev

"Med Sestra" No 12, pp 6-9

Application of penicillin, which is quickly eliminated from the organism, must be repeated frequently and new methods had to be found to retard this rapid elimination. It was discovered that penicillin readily combines with other agents such as pyramidon, conserved blood, etc., which extend its usefulness in the organism. Its special effectiveness applies to extended infectious conditions, such as bone diseases of children (i.e.,

203T79

USSR/Medicine - Penicillin (Contd) Dec 51

osteomyelitis) which had up to the present caused many fatalities. For infections of the joints, penicillin is given intramuscularly or by injection into the joint capsule. Results are good also in cases of furuncles and carbuncles.

203T79

BYELYAYEV, A. A.

HELYAYEV, A.A.

Management of patients following abdominal surgery. Med. sestra, Moskva no.8:15-19 Aug 1953. (CIML 25:1)

1. Moscow.

BELYAYEV, A. A.

On the question of the Maximum Period of Serviceability of Dry Lacto-vaccine, Its Immunogenicity and the Advantage of the Lyophylic Method of Drying Smallpox Vaccine Over the Cryochemical Method

States that a smallpox vaccine containing less than one percent of residual moisture was obtained by the Lyophylic drying, vacuum freezing method. It retained its virulence during storage at 37° for more than 9 months. (RZhBiol, No. 8, 1955) Tr. In-ta Epidemiol. Mikrobiol. i Gigiyeny imeni Pastera i In-ta Eksperim. Meditsiny Akad. Med. Nauk SSSR, 13, 1953, 291-298

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

BELYAYEV, A.A., vrach (Moscow)

Acute pancreatitis. Med. sestra no.6:13-18 Je '54. (MLRA 7:8)
(PANCREAS--DISEASES)

BELYAYEV, A.A.

Acute pancreatitis caused by Ascaris. Khirurgiia no.8:71 Ag '54.

1. Iz Moskovskogo instituta skoroy pomoshchi imeni N.V.Sklifosovskogo.
(ASCARIASIS,
pancreas)
(PANCREAS, diseases,
ascariasis)

BELYAYEV, A.A.

Acute obstruction of the common bile duct caused by ascariasis.
Khirurgiia, Moskva no.5:79-80 My '55. (MLRA 8:9)

1. Iz Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N.V. Sklifosovskogo (dir. M.M Tarasov, nauchnyy rukovoditel'-prof. B.A. Petrov)
(ASCARIASIS
bile duct, common, causing acute obstruct.,surg.)
(BILE DUCT, COMMON, dis.
ascariasis, causing acute obstruct.,surg.)

BELYAYEV, A. A.

"An Instance of a Mass Reverse Blood Transfusion in the Case of a Concealed Trauma of Liver," Voyenno-Med. Zhur., No. 11, p. 86, 1955.

BELYAYEV, A.A.

Intestinal intubation in the prevention and therapy of gastrointestinal paralysis. Khirurgiia 32 no.7:69-73 Jl '56. (MLRA 9:11)

1. Iz 1-y khirurgicheskoy kliniki (zav. - doktor meditsinskikh nauk S.V.Lobachev) Moskovskogo gorodskogo nauchno-issledovatel'skoto instituta skoroy pomoshchi imeni N.V.Sklifosovskogo (dir. M.M. Tarasov, nauchnyy rukovoditel' - prof. B.A.Petrov)

(INTESTINAL OBSTRUCTION, etiol. and pathogen.)
paralysis, ther., intestinal intubation)
(PARALYSIS,
intestinal, causing intestinal obstruct. ther., intubation)

BELYAYEV, A.A.; BYSTROV, N.V.

Dangers and complications in enterostomy [with summary in English]. Khirurgiia 34 no.9: 68-73 S '58. (MIRA 12:4)

1. Iz 1-y khirurgicheskoy kliniki (zav. - prof. S.V. Lobachev) Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N.V. Sklifosovskogo (dir. M.M. Tarasov, glavnyy khirurg-prof. B.A. Petrov).
(INTESTINES--SURGERY)

BELYAYEV, A.A.; ZOLOTOV, L.V.

Surgical tactics in perforations of the uterus with injury to the internal organs.. Khirurgiia 35 no. 5:98-103 My '59.
(MIRA 13:10)

1. Iz 1-y khirurgicheskoy kliniki (zav. - prof. S.V. Lobachev) Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi im. Sklifosovskogo (dir. - zasluzhennyy vrach USSR M.M. Tarasov, glavnyy khirurg - prof. B.A. Petrov).
(UTERUS--RUPTURE) (VISCERA--WOUNDS AND INJURIES)